ufficient men for the work is growing.

and are such as are used by surgeons in

varying degrees of fineness along the shores of the Mediterranean, the possess-

ons of Turkey being the best field, while

the Spanish, French, and Italian coasts are devoid of them. They grow at all

depths, from 2 to 100 fathoms, and as the

work of gathering them has continued it

has become necessary to dive deeper and

deeper for them. They do not grow rapid

about a foot in diameter, is ten years old. The gathering of sponges off the Tripo-

itan coast requires the payment of a

good sized license fee to the government

The proprietors send out their boats with

while divers are often cut by the knives.

ture to silk, and this was one of the

points that settled the ancient dispute as

to whether sponges were animal or veg-

etable. Their stationary life gave reason

to the belief in their vegetable nature.

growth and budding. They puzzled sci-

entists for centuries, and one authority

regarded them as worm nests. In reality

the sponge is a colony of little animals,

which occupy a sort of apartment house

together. The animals are called polype

and, each of them being both male and

animal is alive water is kept flowing con.

of minute, hair-like appendages, which

the little polyps agitate. The water thus

for the sustenance of the sponge.

than those living wild in the sea.

Three years after the sponges are

the choicest full grown ones are pulled up

the others being left to reproduce until

of larger size. It is no trouble to gather

the sponges from these farms, for the

water is clear and they can be easily

reached with a pole or tonge by a man in

a boat. Every year the value of a sponge

farm increases, and enormous crops are

yielded. In the gathering of the wild sponges about 200 vessels and 1,400 fisher-

worth more than 80 cents a pound in

average value the Turkey sgonge is some-

times worth as much as \$50 a pound. It

s thought possible that some of the best

foreign sponges from Tripoli might be

transplanted to Floridan waters and form

a nucleus from which a large area might be raised. The difficulties of transpor-

tation would be great, however, for the

snonge-although he does not look it

when you see his skeleton alone-is a del-

sidering for some time the advisability

No Let Up in the Sugar War.

New York, Jan. 22-Officials of the in

dependent sugar refining companies re-

Swift Torpedo Boat Destroyer.

St. Paul Railroad Case Remanded.

Washington, Jan 22-The United States

the Chicago, Milwaukee and St. Paul

Railway company versus the railroad

providing a maximum rate for the rail-

peat that there is nothing to say in re-

of making the experiment.

sugar war was in sight.

While the Florida sponges are

men are employed in Fiorida.

while they multiply, like plants, by

market.

An ordinary bath sponge, measuring

delicate operations. They are found in

and One Half Cents.

PRICE WAS \$4.50

Little Doing in the Cattle Business at Yards.

The Wichita hog market was active and strong yesterday. It opened firm in the morning and an advance was quickly registered. The market fluctuated a litthe for some time, but before noon it wan on an established basis. The general market was 5 to 7% cents higher.

There was a fair run of hogs ( although It was nothing exceptionable for a Tues's The quality of the hogs was just It could not be called good, as there were but very few first-class packe's on the market. The run was remarkwhile in one feature, that it consisted nearly without an exception of fair to good mixed packers, which sold practi-rally for all the same price.

average price of all classes of hogs

The daily addition of new men to the list of regular shippers to this market is making the Wichita hog market the beat in the west. It is daily growing in importance, and if will not be long until not a hog will be sold elsewhere, if it ed in southern Kansas, Oklahoma or Indian Territory.

CLOSING QUOTATIONS.

Medium weight packers, 200 to Heavy packing hogs, 259 to 325 HEAVY HOGS.

300	MANUAL PROPERTY AND ADDRESS OF	50	273	\$4.5
81	*****************	160	273	3.5
58	****************	Are.	274	4.5
70	****************	169	289	4.5
79	***	83	250	4.5
1.77	**************	40	257	4.5
1/73	******************	***	250	A A
6	***************************************	222	256	- 2.2
34	*****************		292	- 3.5
7 3	************************	7.7.7	10-1-	5.5
R	*******************	***	310	4.4
12		***	288	4.4
3	****************	0.03	377	4.4
	***************	200	235	4.3
- 19	****************	93	410	4.0
-	LIGHTS AND	MED	Ti MS.	
- 25	****************	160	243	4.5
72	**************	80	225	4.5
. 91		40	213	9.6
86		1	218	4.5
81	*****************	123	245	4.5
84	***************	160	230	2017
- 64		200	244	4.5
- 2	*****************	200	911	4.0
- 2	****************	444	200	9.45
- 2		444	166	4.40
5			200	4 45
40	**************		:230	4 40
0	******************	40.0	911	4.30

.. 110 The eatile market was rather inactive resterday, although there was quite a little trading done. The prices were stendy and the demand was healthy and good. The supply was a little light for a Tuesday.

4.40

S A STATE OF THE S		
No. I stocker	Av. Wt.	Price. \$4.10
# stockers		4 25
i stocker	679	2.03
\$ 60.M.=		4 00
* COW:	x++ 550	4:00

## SHIPPERS AND SOURS.

B. F. Atkins of Winfield was #1 the market yesterday with a load or good mixed packers which brought the high shipper, having been in the business th logs to other western markets, and his trip incre western markets, and his trip incre yesterday was his first. He is a brother-in-law of Mr. Hoop of Udul, member of the long shipping firm of Haff & Hoop Mr. Hoop managed to induce him to try the Wichina market as the former declared he found it the best of all. Mr. Arkins was a good convert said last evening that will his visit bere yesterday was the first, it would not be the ast. The Wichita market is growing through the fact that everyo of the shippers who patronize the market are veritable advertising agents in pre-

with a car of medium weight packers. They brought the general top price of the of the market, and it would seem strange

Steiner & Blair, the veteran shippers of Lyons, had a good load of heavy hors in yesterday. They brought the common They are probably the heaviest shippers in the vicinity and do a large steady; midding uplands, Tac; midding business, and every one of their hogs guif, 84c; sales, 1.200 bales.

had six cars of hogs in yesterday which ably the heaviest shipping firm in Okiahoma and are a new addition to the caterie of Oklahoma shippers who sell their hogs in this city. Their operations extend nearly at over the territory, and y buy hogs heavily at all times when

G. Smith was on the market yesterday from Prart. He received a good price for his hogs and returned home very much passed with his venture. Mr. Smith is a comparatively new regular chipper to the Wichita market.

William Barnes of Pratt came in res-terday with a fine load of medium pack-irs, which brought a high price. Mr. Barnes is very well known about the yards and has a large number of friends. I. E. Martin was up from Entil ves-terday with a small load of heavy hors. They were good quality and sold well. is a steady shipper here Adam Huffbauer of Malvane received a nice sum for the profess of the sale of a car of hogs, which he brought with him. Mr. Huffbauer is an old and fa-miliar figure about the yards. He has shipped here for years and says-that he

mever go elsewhere at long as there Tuesday and Wednesday; variable winds. is a market here.

A. D. Caton of Penbody had a load of Rio Janeiro, Jan. 21.—The minister of thenry hors in yesterday which sold well.

Mr. Caton used to ship to other markets,
but for the past several months he has The gang at the stock yards stood

carpenter work. They say that he is The provision market yesterday was rather inactive, although it showed increased strength. Both the bulls and the

bears seemed convinced that the market is going their way. Pork opened steady; May remained at \$6.02, without much Price Advanced Five to Seven and closed at \$10.62, May lard opened and closed at \$10.62, while ribs held firm at

The express and jobbing business was very heavy at Dold's yesterday. Last week was a busy one and the amount of express sent out was something enormous. The business is much greater than a year ago and it was the premier year since the establishment of the Dold The dock men at the Dold Packing com

pany will have a busy time for the fact day or so getting out an order for a large shipment of lard which has been received It is to be all the White Clover Leaf brand, which is now the standard of its kind, which needless to say is the best The specialty department at the Dold plant is having more work than it can do. In the first six weeks after the new boneless pressed pig's feet was put on the market, over one thousan ten-pound palls were sold. This is a new article in this territory, and its sale is little less than phenomenal. The sale is increasing daily so that the record for the first six weeks will not begin to compare with the succeeding like periods of time. The

brand is now being pushed by the trav-eling men and the sale is expected to take a big jump. The small poxepidemic in Oklahoma is injuring the express and jobbing business of the Dold packing plant. An order was received yesterday from the Hutchinson & Southern railway notifying the comas Southern railway notifying the com-pany that it would until further notice be compelled to refuse for shipment all express matter for points south of An-thony. A strict quarantine regulation has The average price of all classes of hogs was \$1.50, while the top was the same brure. Had there been a toppy load of hogs on the market, the top would have loasted several notches. As it was, the market was a good strong one and had that steady tone which the majority of the shippers prefer. The fluctuations in Oklahoma and Indian teristory. The the shappers prefer. The fluctuations in the market occurred early in the morning while the wagon hogs were being sold and the car lots had not yet arrived. antine regulations in force in nearly evry part of the territories.

LIVESTOCK MARKET.

CHICAGO. Chicago, Jan. 21.-Cattle-Good to choice fat steers, 15625c higher; medium and in-ferior grades, 10615c higher; Texans generally 10c higher; cows and helfers, 10@ lic higher; canners, steady; general mar-ket closed easier; strictly choice quotable up to \$5.50; good to choice, \$5.25@6.25; poor to medium, \$4.10@5.10; mixed stockers, \$3.25@3.80; selected feeders, \$1.20@4.50; helfers, \$3.59; canners, \$2.2092.90; bulls, \$2.7599 4.50; calves, \$4.5037.75; fed Texas beeves,

Hogs-5 to 10c higher; closed weak; fair clearance; mixed and butchers, \$4.5564.55; sood to choice, heavy, \$4.1064.55; rough heavy, \$4.5564.65; light, \$4.5564.725; bulk of sales, \$4.6644.75.

of Sheep-Strong; lambs 16@15c higher; na-tive wethers, 34.50@5.00; lambs, 34.75@5.40; western wethers 34.40@4.80; western lambs \$5,50076.40. Receipts-Cattle, 8,500; hogs, 26,000; sheep, 20,000.

sheep, 20,000.

Kansas City, Mo., Wn. 22.—Cattle—Receipts, 2,600; market strong; 10c higher; Native steers, 34,0066.00; Texas steers, 33,0065.25; Texas cows, 32,0063.15; native cows and heifers, \$2,0064.90; stockers and feeders, \$3,5065.00; bulls, \$2,5064.90.

Hogs.—Receipts, 6,000; market 5 to 10c higher; active; bulk of sales, \$4,5504.60. higher; active; bulk of sales, \$4.55%4.66; heavy, \$4.60%4.70; packers, \$4.57%44.70; mixed, \$4.55%4.65; lights \$4.30%4.60%; yorkers. \$4.571664.62%; pigs. \$4.0064.50. Sheep-Receipts. 1,000; market lower; lambs, \$4.7565.90; muttons, \$3.2564.80.

St. Louis, Jan. 22.—Caitle—Receipts, 2. St Louis, Jan. 22.—Cattle—Receipts, 2.— 50: market 10: higher and firm; beef steers, \$4.0005.70; stockers and feeders, \$2.0001.50; cows and heifers, \$2.0001.75; Texas and Indian steers, \$3.3001.95; cows and helfers, \$2.4503.90.

COFFEE AND SUGAR MARKETS

New York, Jan. 22.-Coffee-Futures ned steady at unchanged prices to ubstiding and spot bayers pretty filled up on recent activity. A weak un-dertone followed, under talk of large long interests yet to be liquidated. Traders were conservative and prices gradu-ally declined as the session progressed, closing barely steady, 15 to 25 points net lower. Total sales, 21.756 bags. Spot. Rio nominally lower; No. 7 thvoice, 940; No. jobbing, 8%c; mild qufeter; Cordova, 8%

sugar, 2 16-16c. Refined, firm but quiet.

## DRY GOODS WARKETS

New York, Jan. 22.-The week opened all. Mr. Arkins was a greaty convert with a better demand for prints, both and was pleased with his transaction, and staples and fancles, indigo blue prints said last evening that will be his visit particularly in request. In staple cottons the market is without material change. Brown sheetings and drills quiet at pre-vious prices. Medium grades of bleached cotions in best request. Wide shretings scarce and firm, Denims and other coarse senting to the public its marits.

Dan Wint, the old-time shipper of Tidail was on the market late last night which a car of medium weight packers, wear serges and fancies today 30 to 33 with a car of medium weight packers. per cent higher than a year ago. Large sales made.

## COTTON.

New Orleans, Jan. 22.-Cotton-Ffrm; Galveston, Jan. 22.—Cotton—Firm; 742c. Liverpool, Jan. 22.—Cotton—Spot demand fair: prices higher; American midding, New York, Jan. 21.-Cotton-Spot closed

# WOOL MARKET,

London, Jan. 22-The offerings at the wool auction sales today number 1139 bales. There was a better demand and prices ruled slightly higher. American representatives purchased a quantity of cross-breds at 5 per cent above last week's prices. Total American purchases

## METAL MARKET.

New York, Jan. 22.-Today's development in the metal markets were not especially eventful. Spelter advanced lightly on increased demand and better cables than anticipated. At the close, the metal exchange called lead steady, at \$4,70004.75; spelter firm, at \$1,0004.70. The brokers' price for lead is \$4.45.

Washington, Jan. 22-Forecast for

Tuesday and Wednesday: Kansas-Fair Tuesday, with colder in extreme eastern portion; Wednesday increasing cloudiness and warmer, winds shifting to southeasterly. Oklahoma and Indian Territory-Fair

Rollivia had a conference today with the members of the government. He claims been shipping here steadily. (He declar's the state of Anazonas is aiding Galvez in that it is the best market in the west, Acre and demands that Brazil send troops and vessels to subjugate the rebel

Main Factor for Strength in the Wheat Market.

MAY CLOSES 66 5-8 CENT

### Coarse Grains Lower--Provisions Little Changed.

Chicago, Jan. 22.-The sharp advance at Paris was the main factor in a firm and up for that would tear the delicate or fairly active wheat market here today, May closing %c over Saturday at 65%c. Corn closed %c and oats %c lower. The provisions market at the close was little changed from Saturday.

The advance in the Paris market, equal to 2%c here, was founded on additional reports of damage to both the French and Russian crops, while the prime factor in a strong wheat market here was not the only influence. Liverpool was also strong, supported by the decrease on passage and in world's shipments, and it was rumored that wheat would have to be imported to relieve the famine in India. May closed firm, %c over Saturday at 65%c. Up to noon there was active trade, but after that more quiet. Primary receipts were 478,000 bushels, com-

pared with 1,608,000 bushels last year, The corn market, after a degree of firmness occasioned by the strength in wheat, the steadiness of cables, the smallness of offerings from first hands and the fact that the government figures were not as bearish as expected, turned tall and closed weak, very close to the bottom. There was scattering liquidation throughout a rather quiet session. May closed 14c under Saturday, at 33@3314c. The oats market was neglected and

quiet, and so despondent that it mustered no strength, even when corn and wheat showed gains. May closed 1684c depressed, at 23%c.

The provisions market was firm early on receipts of hogs under hie estimates and the fact that last week's receipts of hogs averaged 5 pounds less than the average the previous week. The demand was good at first and trade active, but as offerings later came with liberality from influential sources the advance was lost. The hog market turned easy later which also caused some selling of product, as did the weakness of corn. May pork closed a shade over (yesterday, at \$10.85@10.87%; May lard a shade down at \$6.00% and May ribs at \$5.77%. Estimated receipts tomorrow: Wheat,

cars; corn, 325; oats, 280; hogs, 35,000 GRAIN AND PRODUCE MARKETS.

CHICAGO. Chicago, Jan. 22.—The leading futures ranged as follows: Open. | High. | Low. | Close.

	14.3	neat-				
	Jan.	**********	65%	64	63%	63
,	July	*********	67149714	61+100 H 6 5 M	6714	67
4	Con	ra—	77.79(4) (2)			200
J	Jan	******	3116			264
					33 33% (F%)	3363
	Ou	ts-				
	Jan		23%	2014	2314	231
	Por	k-	2374	4478	2079	24
	Jan.	*********	10 773	10.7755	10 62%	10 623
	July	**********	10 92%	11 0716	10 %	10 35
	Lan	ra-				50.1507
	Jan		5 99	5 90 6 10	6 6234	
	July	*********	6 10 6 10	6 15	6 10	6 12
	Rit	)E				
	Jan.	*********	5.50	E 8714	5 775	5 10
						2002
	-	CAS	H OTIC	TATIC	NS.	

Flour-Firm. No. 3 spring, 59565%c; No. 2 red.

Corn—No. 2, 314c; No. 2 yellow, 314c.
Oats—No. 2, 23020ac; No. 2 white, 354c;
No. 3 white, 25020ac.
The second in with natural fortifications and

Flax seed-No. 1, \$1.50. Timothy seed-Prime, \$1.50. Mess pork-Per bbl., \$9.505/19.6714. Lard-Per 100 lbs., \$5.82\2015.22\ Short rib sides (loose), \$5,5565.55; dry salted shoulders (boxed), 536954c; short clear sides (boxed), \$5.505-96.035. Whisky-Distillers' finished goods, per

Sugars-Unchanged. RECEIPTS AND SHIPMENTS

42,600 Butter-Steady; creamery 19@34120; dairy Cheese-Firm; 12913c.

Eggs Steady; fresh, 1981c. Dressed poultry-Steady; turkeys, Sc; chickens, 71-63c.

KANSAS CITY Kansas City, Mo. Jan. 22—Wheat—May Chie; cash, No. 2 hard, 6h: No. 3, Shiste; No.2 red, 706 He; No. 3, 65669c, Carh—May, 25%c; cash, No. 2 quixed, 28%620%c; No. 3 white, 30830%c; No. 3,

Oats-No. 2 white 24% 65c. Butter-Creamery, 20132; dairy, 18c. Eggs-Fresh, Elc.

St. Louis, Jan. 22 - Wheat - Higher; No. 2 red cash, elevator, 675c; track, 705c; January, 675c; May, 855,6685c; July, 655,6685c; No. 2 hard, 62056c. 6849664c; No. 2 hard, captoc. Corn-Weak; No. 2 cash, He; track, Ht; 62254c; January, 1954c; May, 3154c. Oats-Steady; No. 2 cash, Re; track, 284c; January, 24c; May, 245c.

New York, Jan. 22.-Wheat-Receipts, 48 000; exports, 71.945; spot steady; No. 2 red, 542c. f. o. b., affoat, No. 1 northern Duluth, 77%c, f. o. b., affoat, prompt; No. 1 hard Duluth, 77%c, f. o. b., affoat; No. 2, 725c, elevator. Options closed v. %c net advance, March, 77%c; May, 72%c; July, 72%c.

Corn-Receipts, 27,175; exports, 19,500; sput easy; No. 2, 40%c, f. o. b., affoat. and 40%c elevator. Options closed un-Outs-Receipts, 125,500; exports, 200; spot

tulli No. 2. 284c; No. 2. 284c; No. 2 white, 134c; No. 3 white, 31c; track, mixed, western, 2946/204; track, white, 2146/20c. Butter-Receipts, 1.70 packages; steady; June creamery, 2003bjc; western cream-Herrory, 18620c. ggs-Receipts, 2,355 packages; firm;

western, 21c loss off; westernungraded, at mark, 14019c. WHY SPONGES COME SO HIGH Dangers of the Divers Always Dan-

gerous and Business Increasing Washington, D. C., Jan. 22-Consul-Bertrand, who represents the French government at Benghazi, in Tripoli gives a curious reason for the increased price of he finest grades of sponges, which are the state so as to arrive at the equities in the afternoon after 4 o'clock gathered in that section. The fisheres of the case. have been so well worked that the divers creased the dangers of the work. The Keeler, the restaurant keeper, do some | Dally Engle, by carrier, 10 cents a week | are paid from \$400 to \$1,200 each for a sea- a help to lake vessels

times the usual wage in Tripoli, but in pite of this the difficulty of securing The sponges that are secured at such risk of life are the best that are known

> To Near Saturday's Close, in the Stock Market.

To: Cotton and Wheat-Bonds Prominent.

rews of five to twenty men. It is impossible to use dredges in bringing them New York, Jan 22.-The stock market showed continued indifference on the part ganisms. The work is done by divers, of the public and even of professional who seldom have diving bells or suits speculators today. Net changes in prices such as are used in Europe and America. are without any significance as bearing flashes the glory of the incomparable co-The diver goes down into the ocean, takon the condition of business or affairs. ing with him a flat piece of stone of a triangular shape, with a hole drilled There was some show of strength in the through one of the corners. A cord from local traction group, which may be atlocal traction group, which may be attributed to a covering demand from the protoberances skirt the black rim of the the boat is attached to the stone and he short interest. Netwithstanding the betuses it to guide him. Upon reaching the growing sponges the diver tears them off ter tone reported in London on account the rocks or cuts them with a sharp of progress said to be making in the acknife, places them under his arms, and then pulls at the rope, which gives the signal to the men in the boat to haul him of campaign, the English financial pub- receding lunar shadow is glimpsed as it The work is said to be done not so lic showed no disposition to pay higher files away with the tremendous speed of well by means of a diving bell. Sponges prices for American securities. As soon its approach." obtained by draging for them are torn as prices were lifted in this market sell-The dangers incurred by the divers are due to asphyxiation usually, although the work itself sometimes causes paralysis. suck near Saturday's closing level and scillated very feebly from that level for the rest of the day. Whatever speculaface it is a fleshy looking substance covtive disposition was current seemed to ored with a firm skin whose openings apbe delivered to the cotton and wheat mar-kets, where there was some show of anpear and disappear at intervals. When the diver cuts it the interior looks like imation and considerable strength re-flected from foreign markets. While the market was thus listless the undertone cept when the moon interposes itself beraw meat, with numerous canals and cavities. The first thing to be done after the sponge is brought to the surface is to rewas, was attributed to a covering by the short interest. Accretions of cash to the move the flesh, and this must be done at once, since otherwise putrefaction would reserves of New York banks continue on a large scale, but there was no fur-ther market change in the rates for set in, which would destroy the elacticity. This leaves merely the skeleton of the animal, which has to be further money today. A further drop in sterling exchange rates marked the continued re-laxation in the money situation abroad The skeleton is nearly related in struc-

as well as here. The bond market was not so active as during the last part of last teek, but still overshadowed the market for stocks. Total sales, par value, \$3,150,000. United States old fours registered declined % and coupon % in the bid price.

Treasury Statement Washington, Jan. 22.—Today's statement of the condition of the treasury shows: Available cash balance, \$287,046,446. Gold

New York Honey Harket

New York, Jan. 22.—Money on call easier at 3 per cent; prime mercantile pa-per 4%(\$5)2 per cent. Sterling exchange

female, every individual in the comunity is in a position to rear a family on its with actual business in bankers' The surface of a sponge is covered with little holes that are larger at the top than at the bottom, while the whole mass contains a system of channels. When the table is a system of channels, which is a system of channels. The surface of a sponge is covered with stantly through these channels by means

SHADOW PATH OF THE MOON fessor Young found in the corona a sub-Will be Bristling With Telescopes on May 28, Next.

drawn in brings with it the food required Washington, D. C., Jan. 22.-Observa-The coarser kinds of sponges are found in the West Indies and off the Florida vertised for May 28, will be conducted in ast as well as in the Mediterranean. But American waters do not contain any of the finest grade. In Florida attempts have been made to cultivate sponges and tent unthought of on any previous occa-sion of the kind, involving not only the the industry is successful. The United States Fisheries commission, on finding that the ponge fisheries were becoming extinct, supplied those who wished them with the spores of the animals for their propagation. There are now many spenge aplished it will be practicable to ex. heds, or farms, along the coast. They are situated usually at well protected places are hibit some sort of counterfeit of the won- 20,000 to 400,000 miles. Some of them are drous spectacle by machine, just as if it so great in size as to suggest the idea were a prize fight, and theatre audiences of eruptions from solar volcanoes, endams. The sponges are carefully watched all over the country will have a chance to gendered on a scale inconceivably vast. until reaching maturity, and are finer admire it between turns of vaudeville.

New Orleans to Norkolk, in order that it | radiance of the corons. However, the aderstood, it ought to be explained that ing over Mexico in an easterly direction, United States. Though the mighty shad, and from points wide apart. ow moves at the rate of 1000 miles an hour it is easy enough to overtake it with ecupse, concents the sun entirely necume the electric spark. Thus, in case an us- though 400 times smaller than the tronomical observer near Atlanta, say, it is 600 times nearer the earth. Its shid- St. Louis, Jan. 22.—The Psansylvania noticed anything peculiar, he could wire ow sweeps eastward over the earth at the railroad system today subscribed \$20.000 to some of the starious further along, re- rate of 2,000 miles an hour, but the chquesting the observers at those points to server is also carried eastward by the icate animal and does not stand long journeys well. The United States Fisher-

The paths of colleges are ant to be to- low is only 1,000 miles an hour. that astronomers are obliged to travel during the eclipse of May, parital darkgreat distances in order to witness them. | ness will fast for about two hours, Luckity, however, this particular sciipse | the obscuration will only be complete for bank, arranges itself so that the shadow of the a minute and a haif. Though the shadow moon will pass directly through one of path is thousands of miles long, it is only the densely settled sections of the United about 150 miles wide, and, for heaf chspect to the report that they have been States. The cities of New Gricans, Mo- servation of the total phase, one must conference, with a view to preferring bile, Montgomery, Raleigh, and Norfolk, place oneself near the middle of the an organization to fight the American as well as many minor towns, its directly track.

Sugar Refusing company. James B. Plut. within the shadow-path, and thus hundred to the shadow-path, and thus hundred to the shadow-path. of B. H. Howell, Son & Co., representing dreds of thousands of persons will have will keep a sharp lookout is the alleged the Mollenhauer and National companies, an opportunity to see that most wonder-characterized as "for stock jobbing pur-ful speciacle of netronomy, the the solar Le Verier to be somewhere inside the crposes" a report that a settlement of the corona-a phenomenon which is pever vis. bif of Mercury. He never saw it, but he

Portland, Ore., Jan. 22.—The final Already astronomers are making prep-builders' trial trip of the torpedo boat de-grations to locate stations along the Some astronomers still believe in it stroyer Goldsborough was made on the shadow-path and to carry out scientific To most people the prediction of eclipses observations on an extensive scale. The is one of the most mysterious things to satisfactory that it has been thought chief fear to lest clouds interfere with the limit of the control of the most mysterious things to satisfactory that it has been thought to be control of the c innecessary to make another builders' servation, and in order to give help in that is comparatively easy. She says trial. The boat for a time made 465 revoutions. This is five revolutions more bureau has made a survey of the sky dur. dictable by means of the Haros, which than is required to make 30 knots. The average speed ranged from 24 to 30%

the most promising conditions. ommissioners of the state of South Dixkota. The case involved the state law rope at Colmbra, Portugal. Next it will in like manner, there will be a renur

A total eclipse of the sun may fairly be any given total eclipse will fall als

while the supposed monster devours the friendly sun, and in Japan on such occa-sions the peasants cover their wells to prevent poison from falling into them from the sky. During the obscuration a weird and dreadful shadow envelops all things, and a strange chill fals over the

and. Sometimes dew fals. Describing such an eclipse, Mary L. Todd, the astronomer, says:

"A sense of uneasiness seems gradually to steal over all life. Cows and horses feed intermitiently, bird songs diminish. grass-hoppers fall quiet, and a suggestion SPECULATION IS DIVERTED of chill crosses the air. A wetrd light. wan, unnatural, and different from twilight, falls upon the landscape. Darker frightened savages beat upon gongs with wild shouts and uproar. Then will be to do this and cure and so there can the moon is seen approaching—a tangible darkness like a wall, swift as imagination, silent as doom. Strong must be the nerves not to quiver as this blue-black shadow rushes upon the spectator with

ncredible speed. "A deathlike trance seizes upon everything earthly. Then out of the darkness rona-a silvery, soft, unearthly light, with radiant streamers stretching million of miles into space, while rosy, flaming denly an arrow of sunlight strikes the landscape, and earth comes to life again while corona and protuberances melt into mplishment of the British military plan the returning brilliance, and perhaps the

Astronomers nowadays are more intering orders for London account were ex- ested in the corona than in any other feaing orders for London account were ex-ecuted in the leading industrial stocks. This seemed to discourage any further operations for a rise and prices drifted non is wholly a mystery, no satisfactory explanation of it having been found. At the period of "totality"-that is, when the face of the sun is entirely hidden by the moon-a pale halo of light is seen encircling the dark body of the lunar orb. Being so pale, as compared with the sun was firm and whatever fluctuations there | tween the sun and the earth: hence the great engerness of astronomers to use those few precious moments for the purpose of watching the phenomenon in question. Commonly the observer who is to take

> special note of the gorona on the occasion of a special eclipse has his eyes bandaged for ten minutes before "totality," so that they may be accurately sen sitive to the faintest rays. Then, as well as he can he sketches its appearance, and most particularly the wonderful stream. ers which are seen extending from the sun ten million miles or more into space Now, what are these streamers? Nobody knows. What is it that composes the halo-like envelope of the sun? Nobody can tell that either. It is surmised by some astronomers that the corona is in a finely divided state—which is rendered visible by reflecting the radiance of the solar photosphere. Another theory is that it is electrical, and yet another that it represents a gaseous atmosphere surrounding the sun. It was Professor S. P. Langley who in 1878, discovered the co ronal etreamers from the summit of Pike's Peak: but as far back as 1869 Pro stance unlike anything known on the earth, to which he gave the name "coro-

Another curious thing noticed at the tions of the total eclipse of the sun, ad- period of "totality" is the shooting cut of vivid rosy-colored flames around the some ways extremely interesting and al-together unprecedented. For example, tographed, and it has even been ascerphotography is to be employed to an ex- tained by spectral analysis that they are composed chiefly of hydrogen-of course in a tremendous state of combustion. exposure of many thousands of plates for These flames spring up from the burning scientific record, but incidentally an at- shell or envelope of the sun, and it has tempt to secure moving pictures of the been estimated by Langley that, where-phenomenon. If this later purpose can be as the shell itself may be 5,000 miles thick

Photography was first successfully ap Another new experiment of importance plied to a total eclipse in 1821 at Konigswill be the preparation of a continuous burg, when fine records were abtained not circuit by the Western Union company all only of the ruddy flames which burst ng the path of the coming eclipse from | forth at "totality" but of the mysterious may be practicable to telegraph ahead of tronomical event of 1800 will be represent-the moon. But, to make this clearly un- ed through the old of the crosses with a completeness never before dreamed of the shadow of the lunar orb, after pass-ing over Mexico in an easterly direction. The countries of Europe will be repreaches New Orleans at 7:27 a. m., and States and Spain, and in Africa, Commustinuing on its way does not arrive at | nication by wire will be maintained be-Norfolk until 5:50 a. m. This allows a tween the stations in this country and period of nearly an hour and a half, dur-ing which the phenomenon may be the objects sought will be to as errain watched from different points on its track whether the corons exhibits alterations cross the southeastern portion of the of aspect as viewed at different hours

ook out specially for the matter in gues- sorth's rotation at one-beif that rate, to in 1901. that the apparent movement of the sind. cated in out-of-way parts of the world, so At any one point in the shadow path

this except on the occasion of a total proved to his own satisfaction by matter eclipse of the sun. calculated its orbit and named it Vulcan

this matter, the United States Weather that such phenomena are roughly preing the last three years along the path has been known since the seconth central will be traversed by the shadow. As tury B. C. and which was probably disa result it is able to point out the local.

Ities where the heavens are most likely, astronomers of antiquity. The Barne is a to be free from clouds, central Georgia and eastern Alabama being found to offer which the centers of the sun and moon. Just after sunrise the shadow will en-ter Meateo from the west, and, when it general, the eclipse of any year will be a say II of Brigadier General Thomas M. leaves this country, near Norfolk, it will repetition of a similar phenomenon which cross the Atlantic Ocean and touch Eq. took place eighteen years previously, and road. Today's opinion remanded the case take in Algiers and northern Africa, and eighteen years later. The eclipse of 1806, with instructions to the lower court to will vanish at sunset near the northern for example, was a return of the famous investigate the earnings of the road in and of the Red Sea. It will cross Spain ones of 1878, 1860, and 1882, and there will he other repetitions in 1814 and 7805. But called the most beautiful and mysterious degrees of longitude, or one-third of the spectacle in nature and the phenomenon way around the globe, forther west at occurs on the earth only about seventy each return. When fifty-door years and mortality fute among the divers is high. 302 feet high, hitherto the tallest structure in a century. Nathing else at all one much have passed an eclipse undersome 150 to 200 dying each season in a to- tures in Chicago, are new overtogged by like it can be imagined, and it is not murtal of 60 employes. Only the most dentered to the tower of a new business building on perate men are willing to undertake the Michigan avenue, 26 feet high which task they being for the most part escaped convicts and fugitives from justice. They seems like it can be made in a some parts of the world gion, but about 66 miles either much or primitive peoples, even at the present day, south. However, a series of eclipses laries of the sun with terminating of the sun with the sun with the sun with the sun with terminating of the sun with the China religious ceremonies are performed either pole of the earth heraids the be-

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ginning of a new series. The next total Borneo on May 18, 1901.

DEATH OF THE DUKE OF TECK Who Had Been Insane Since the

Duchess' Death. London, Jan. 22.-The demise of the Duke of Teck occurred at 7:15 Sunday evening. He died from prneumonia, after an illners of several days. The duka had been insane since the death of the duchess and had been constantly under restraint. Frevious to his death he showof signs of insanity, which, subsequent to her demise, became fully developed His death was hastened by an attack of para yels, which came on suddenly. general feeling in court circles is that it was a merciful release, though it puts the finishing touch on the gloom overwhelming society, for now there is no prospect of any social season in London as the court, necessarily, will go into mourning, which so many leading famillies are already wearing. No members of the family were at the duke's belaids when he died, but the Duke and Duches; of York arrived at Richmond Park this

BURNING DOWN OF CHINATOWN At Honolulu as Reported by a Return-

ing Iowan, Sloux City, Ia., Jun. 22.—Chrys Moiler, a bill and bullion broker of Tien Tein. China, has just arrived here to visit friends. He describes the burning of Chinatown by a vigilance committee while his ship was at Honolulu. The citfrens claims dihat the location was un sanitary and favorable to the spread of the plague. The site embraced ten blocks in the heart of the city which it is now proposed to convert into a park. The Celeetfals were given time to remove their property and were ordered to live on a h'lltop on the edge of the city. Mr. Moller save a dozen are dying of the pestilence daily.

SWEDEN'S ENORMOUS BUDGET Show a the War Microbe Busy Under

King Oscar's Cap.
Stockholm, Jan. 22.—In the Swedish budget, which balances nearly 120,000,000 kroner and which is the largest on record. King Oscar asks for forty-six new batteries of artillery by the end of 1933. One hundred thousand new Mausers are to be manufactured and 50,000,000 car tridges to be in store within four years. A credit is asked for a trial mobilization of the army reserves. Another import ant item in the budget is the rallway propriation of 25,000,000 kroner, one fourth of which is to be supplied in the purchase w rolling stock.

New York, Jan. 23 - A number of small relitors of Harper & Bros., printers and thlishers, for whom was a receiver was appointed in the supreme court on D States court that the concern be adjudged

Assumptionists Tried for Treason. sumptionist Fathers began here today before the correctional iribunal, it is ed royalist and anti-republican conspir-

Hazieton, Pa., Jan. 12 .- Notice was given today at the collieries of Pardee & Co. of an increase of 2 per cent in the wages of their 1,500 employes. Next month an-

toward the \$5,000,000 fired being raised

for the St. Louis world's fair to be held TELEGRAPHIC BREVITIES Mitchell, S. D., Jan. 22.-Judge Smith today appointed O. P. Auld of Plankin-

Nicholasville, My., Jan. 22.-In a fit of jealousy, Alex Wlatt, colored, today shot and kitted his wife and then hisw his New York, Jun. 22-Alfred Watts, the

eventor of crystal gold, which is u In dentistry, died at his home in Brooklyn or old age. Washington, Jan 22-Secretary Gago has sent to congress at estimate of \$1.67 -

000 as the cost of collecting the quatures during the next fiscal year. Milwankee, Wis. Jan H.-Tommy Bran of Syracuse, N. Y., the westerweight champion, has been matched to fight six rounds with Jack Hammend of Detroit,

in Miraukee, Februry 6. New York, Jan. 12 .- John Potter Stockton, for many years atturney general of New Jersey, die dat the hotel Hanneys today. Mr. Stuckton was norm in 1824, and was a sen of the late Commodern

Stockton, of the United States navyl-Washington, Jan. 21-General Wade, commanding the department of fluksts, has been directed to assume command of the department of the lakes, upon the

ANNUAL MEETINGS. Grand Lodge A. F. & A. M., Grand Chap-ter H. A. M. and Grand Council R.

S. M., Held at Topeka, Kan., February 19-21 For the above occasion the Santa Fe has made a rate of one tare for the round trip. Tickets on sale February 17 to II inclusive, good to return until and including Petruary 3, 1808. Trains leave Wichita Union Depot 11:35 s. m., José p. m and \$50 p. m. daily. For further information call as L. R. DELANEY.

Telephone III.